

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (PREVIOUSLY PRESENTED), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims in accordance with the following:

1. (CURRENTLY AMENDED) A portable electronic viewer system comprising:
 - a portable server division, that can be carried in a container by a user, transmitting and receiving book-type contents having page-by-page information containing at least either images or characters; and
 - a portable viewer division, that can be carried by the user carrying said portable server division, displaying said book-type contents transmitted from said portable server division page-by-page;
 - said portable server division including:
 - means for converting a data file into an intermediate data file constituted by a part of information in an image in which a page constitutes a unit; and
 - means for transferring the intermediate data file so converted to said portable viewer division.
2. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 1, wherein said portable viewer division comprises:
 - a display panel displaying said book-type contents page by page;
 - a display memory storing page-by-page information that is to be displayed on said display panel;
 - a first wireless interface module; and
 - a first battery supplying power to said display panel and said display memory, andwherein said portable server division comprises:
 - a disk storing said book-type contents;
 - a second wireless interface module performing wireless communications with said first wireless interface module of said portable viewer division;

a computer processing unit creating page-by-page information from said book-type contents stored in said disk; and

a second battery supplying power to said disk, said second wireless interface module and said computer processing unit.

3. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 21, wherein said ~~computer processing unit included in said portable server division~~ means for converting converts a data file having at least one of a document layout, document information, character information and image information into ~~an~~ the intermediate data file formed by the part constituted by part of information in an image, ~~in which a page constitutes a unit and~~ wherein said means for transferring transfers said ~~the~~ intermediate data file so converted to said portable viewer division ~~using said second wireless interface~~, and

wherein said portable viewer division displays a page-by-page image by describing said ~~the~~ intermediate data file ~~in said display memory~~.

4. (CURRENTLY AMENDED) A portable server division for storing book-type contents having page-by-page information containing at least either images or characters, and transmitting said book-type contents to a portable viewer division wirelessly, said portable server division and said portable viewer division being capable of being carried by a single user.

5. (CURRENTLY AMENDED) A portable viewer division, that can be carried in a container by a user, for displaying book-type contents having page-by-page information containing at least either images or characters which are sent wirelessly from a portable server division page-by-page, said portable server division and said portable viewer division being capable of being carried by the user.

6. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 2, wherein said intermediate data file is constituted by a plurality of ~~hierarchies~~ subdivisions, whereby said intermediate data file is sequentially transferred ~~hierarchy-subdivision~~ by hierarchy sub-division in transferring images, and wherein said portable viewer division describes said intermediate data file in said display memory every time said intermediate data is transferred thereto.

7. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 6, wherein said intermediate data file is configured by layering character information of original image information in accordance with the size of character font, so that priority in transfer is granted to intermediate data files in which larger-sized characters are layered.

8. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 6, wherein the plurality of ~~hierarchies~~ subdivisions which constitute said intermediate data file include a ~~hierarchy of an image~~ subdivision of a green element of a color image and a separate ~~hierarchy of an~~ subdivision image of an element of a color image other than green.

9. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 6, wherein said intermediate data file is configured by different subdivisions ~~hierarchies~~ of image portions and character portions, and wherein priority in transfer is given to intermediate data files on said ~~subdivision hierarchies~~ subdivisions of image portions.

10. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 6, wherein said portable viewer division has a function to write in said display memory for each address which is a certain interval away from a transferred intermediate data file, and said portable server division ~~configures~~ generates an intermediate data file in which data are layered for each address having an interval identical to said certain interval.

11. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 6, wherein said intermediate data file is ~~configured~~ generated by converting character information into a binary image, wherein said portable viewer division has a character gradation processing function, so that said binary image is gradated after being displayed for re-display.

12. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 1, wherein said portable viewer division has a compressed data decompressing function, wherein a page image in which a page constitutes a unit, is data compressed at said portable server division and wherein, after transferring said compressed image, said transferred compressed image is expanded for display by said compressed data decompressing function at said viewer division.

13. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 1, wherein said portable viewer division has a compressed data decompressing function, wherein an intermediate data file ~~in which a page image~~, in which a page constitutes a unit, is ~~layered~~ is data compressed at said portable server division, wherein after said compressed intermediate data file has been transferred, said transferred compressed image is expanded by said compressed data decompressing function at said portable viewer division, and wherein hierarchical data so transferred₁ is displayed every time said data is transferred.

14. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 3, wherein said portable server division and said portable viewer division each have a plurality of wireless interface modules, and wherein said portable server division divides an intermediate data file constituted by a page image, in which a page constitutes a unit, into a number of intermediate data files equal to the number of said wireless interface modules₁ and thereafter transfers from said plurality of wireless interface modules said divided intermediate data files and data indicating a writing order of said divided intermediate data files, while said portable viewer division writes in said₂ display memory said intermediate data files so transferred following said data writing order.

15. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 3, wherein said portable viewer division has its own specific identification number, wherein said identification number is registered in advance in said portable server division and wherein said identification number is described in an intermediate data file, whereby when the identification number of an intermediate data file sent to said portable viewer division coincides with the identification number that said portable viewer division possesses, the data is described in said display memory.

16. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 6, wherein said portable viewer division has its own specific identification number, wherein said identification number is registered in advance in said portable server division and wherein said identification number is described in an intermediate data file, whereby when the identification number of an intermediate data file sent to said portable viewer division coincides with the identification number that said portable viewer division possesses, hierarchical data on a lower layer is described in said display memory.

17. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 15, wherein a signal comprising the identification number of said portable viewer division is transmitted from said portable viewer division to said portable server division, wherein when said signal is received at said portable server division, said signal is collated with the identification number of a viewer registered therein and wherein when said collation determines that said identification numbers coincide with each other, a publication signal is described in an intermediate data file.

18. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 12, wherein said portable viewer division has its own specific identification number, wherein said identification number is registered in advance in said portable server division and wherein said identification number is described in an intermediate data file, whereby when the identification number of an intermediate data file sent to said portable viewer division coincides with the identification number that said portable viewer division holds, a compressed data is decompressed.

19. (CURRENTLY AMENDED) A portable electronic viewer system as set forth in claim 16, wherein a signal comprising the identification number of said portable viewer division is transmitted from said portable viewer division to said portable server division, wherein when said signal is received at said portable server division, said signal is collated with the identification number of a viewer registered therein, and wherein when said collation determines that said identification numbers coincide with each other, a publication signal is described in an intermediate data file.

20. (PREVIOUSLY PRESENTED) A portable electronic viewer system as set forth in claim 13, wherein said portable viewer division has its own specific identification number, wherein said identification number is registered in advance in said portable server division and wherein said identification number is described in an intermediate data file, whereby when the identification number of an intermediate data file sent to said portable viewer division coincides with the identification number that said portable viewer division holds, a compressed data is decompressed.